

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

**M.Sc. (Information Technology) Programme
6th Semester Syllabus**

Effective From July-2002

Paper No. : 601

Paper Title : Web Development -II

[L:3, T:1]

1. Introduction to JavaScript
2. JavaScript Basics
 - 2.1 Data Types
 - 2.2 Variables
 - 2.3 Array
 - 2.4 Expression
 - 2.5 Functions
 - 2.5.1 Built-in functions
 - 2.5.2 User defined functions
 - 2.6 Flow Control Structures
 - 2.7 Objects
 - 2.7.1 Built-in objects
 - 2.7.2 User defined objects
3. Document Object Model (DOM)
 - 3.1 HTML objects
 - 3.2 Collections
 - 3.3 Elements
 - 3.4 window objects
 - 3.5 document objects
 - 3.6 TextRange objects
4. Event Handling
 - 4.1 Events
 - 4.2 Event firing
 - 4.3 Event handlers
 - 4.4 Binding to events
 - 4.5 The window.event object
 - 4.6 Overriding default events
5. JavaScript and Cookies
 - 5.1 Session Cookies
 - 5.2 Persistent Cookies
6. Java & the Internet
 - 6.1 Brief introduction to Internet.
 - 6.2 An introduction to Java phenomenon.

7. Java Phenomenon

7.1 Java & Hot Java

7.2 Java Scripts

7.3 Features of Java

8. JDK and Use

8.1 Java Compiler

8.2 Java Interpreter

8.3 Java debugger

8.4 Applet Viewer

8.5 Java Disassembler

9. Java Language

9.1 Syntax, Comparative study with other OOP Lang.(C++)

10. Class & Object

10.1 Java classes

10.2 Java Interfaces

11. Programming the Web with Applets & Scripts

11.1 Developing Applets

11.2 Integrating Applets into distributed Applications

11.3 Working with Java script

Reference Books:

1. HTML 4 - Second Edition - Rick Darnell - Techmedia
2. Netscape JavaScript 1.2 - Kent & Kent - Comdex
3. Using HTML 4, XML and Java 1.2 - PHI
4. Partrick Naughton : Java - The Complete Reference - TMH.
5. C.Thomas : Introduction to Object Oriented Programming With Java - TMH
6. Naughton : The Java Handbook – TMH